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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/645,365	08/21/2003	Fred C. Brace	41992-00627	7430	
7590 05/21/2004  MARSH FISCHMANN & BREYFOGLE LLP Suite 411 3151 S. Vaughn Way Aurora, CO 80014			EXAM	EXAMINER	
			GREGORY, I	GREGORY, BERNARR E	
			ART UNIT	PAPER NUMBER	
			3662		
			DATE MAILED: 05/21/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Applicati n N .	Applicant(s)					
	10/645,365	BRACE ET AL.					
Office Action Summary	Examin r	Art Unit					
	Bernarr E. Gregory	3662					
The MAILING DATE of this communicati n appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on							
2a) This action is <b>FINAL</b> . 2b) ⊠ This	☐ This action is <b>FINAL</b> . 2b) ☐ This action is non-final.						
•	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-49 is/are pending in the application.							
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) <u>30-47</u> is/are allowed.							
6)⊠ Claim(s) <u>1-29,48 and 49</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examiner	•						
10) The drawing(s) filed on is/are: a) acce		Examiner.					
Applicant may not request that any objection to the o	frawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the prior	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of	of the certified copies not receive	d.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
<ul> <li>2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> <li>Paper No(s)/Mail Date</li> </ul>	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	atent Application (PTO-152)					

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1. Claims 30-47 are allowable over the prior art of record.

2. Claims 1-29 and 48-49 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

On lines 5-7 of independent claim 1, it is unclear what is modified by the phrase "as a function of image collection time." It seems to modify "identification" (line 6), but that does not make logical sense.

On line 3 of independent claim 48, it is unclear in context what action is meant by the verb "characterizing" and how that action obtains a "scatterer."

On line 6 of claim 48, it is unclear in context what action is meant by "enhancing." Further, it is unclear in context what is meant by "enhancing information based on the signature."

Dependent claims 2-29 and 49 are unclear in that they depend from unclear independent claims 1 and 48.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The examiner-cited prior art is of interest for showing SAR systems and methods that use signatures as in Applicants' invention. Please especially note Petty (US 6,333,986 B1).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (703)

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306-5765. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bernarr E. Gregory

Primary Examiner
Art Unit 3662